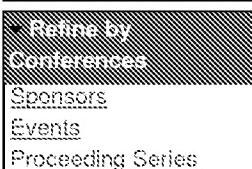
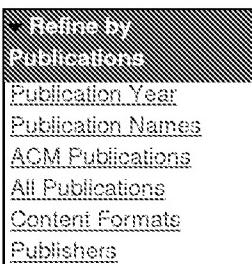
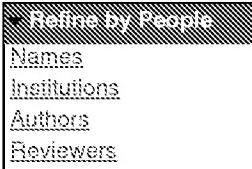
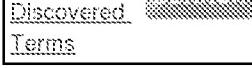
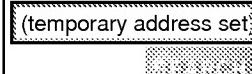
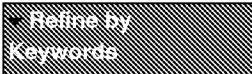

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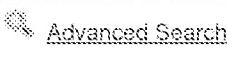
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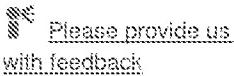
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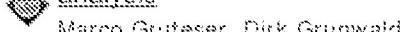
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4 Enhancing location privacy in wireless LAN through disposable interface identifiers: a quantitative analysis



Marco Gruteser, Dirk Grunwald

September **WMASH '03: Proceedings of the 1st ACM international workshop on Wireless mobile applications and services on WLAN hotspots**
2003

Publisher: ACM

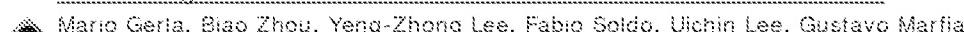
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Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 41, Downloads (Overall): 927, Citation Count: 13

The recent proliferation of wireless local area networks (WLAN) has introduced new *location* privacy risks. An adversary controlling several access points could triangulate a client's position. In addition, interface identifiers uniquely identify ...

Keywords: interface identifiers, location privacy, wireless LAN

5 Vehicular grid communications: the role of the internet infrastructure



Mario Gerla, Biao Zhou, Yeng-Zhong Lee, Fabio Soldo, Uichin Lee, Gustavo Marfia

August **WI CON '06: Proceedings of the 2nd annual international workshop on Wireless internet**
2006

Publisher: ACM

Full text available: PDF (383.84 KB)
Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 24, Downloads (12 Months): 136, Downloads (Overall): 565, Citation Count: 2

Vehicle communications are becoming a reality, driven by navigation safety requirements and by the investments of car manufacturers and Public Transport Authorities. As a consequence many of the essential vehicle grid components (radios, Access Points, ...)

Keywords: VANET, ad hoc networks, geo location service, geo routing, infrastructure support, load balancing

6 People, places, things: web presence for the real world

Tim Kindberg, John Barton, Jeff Morgan, Gene Becker, Debbie Caswell, Philippe Debatty, Gita Gopal, Marcos Frid, Venky Krishnan, Howard Morris, John Schettino, Bill Serra, Miriana Spasolevic

October **Mobile Networks and Applications**, Volume 7 Issue 5
2002

Publisher: Kluwer Academic Publishers

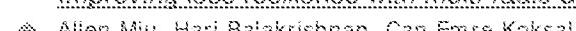
Full text available: PDF (248.58 KB)
Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 131, Downloads (Overall): 1715, Citation Count: 27

The convergence of Web technology, wireless networks, and portable client devices provides new design opportunities for computer/communications systems. In the HP Labs' "Cooltown" project we have been exploring these opportunities through an infrastructure ...

Keywords: location-aware computing, nomadic computing, physical-virtual linkage, ubiquitous computing, world wide web

7 Improving loss resilience with multi-radio diversity in wireless networks



Alien Miu, Hari Balakrishnan, Can Emre Koksal

August **MobiCom '05: Proceedings of the 11th annual international conference on Mobile computing and networking**
2005

Publisher: ACM

Full text available: PDF (1.26 MB)
Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 65, Downloads (Overall): 1009, Citation Count: 33

This paper describes the Multi-Radio Diversity (MRD) wireless system, which uses path diversity to improve loss resilience in wireless local area networks (WLANs). MRD coordinates wireless receptions among multiple radios to improve loss resilience in ...

Keywords: bit-error, frame combining, packet combining, path diversity, performance, wireless LAN, wireless networks

8 COMBINE: leveraging the power of wireless peers through collaborative downloading

Ganesh Ananthanarayanan, Venkata N. Padmanabhan, Lenin Ravindranath, Chandramohan A. Thekkath
June 2007 **MobiSys '07: Proceedings of the 5th international conference on Mobile systems, applications and services**

Publisher: ACM 

Full text available:  (358.45 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 125, Downloads (Overall): 397, Citation Count: 4

Mobile devices are increasingly equipped with multiple network interfaces: Wireless Local Area Network (WLAN) interfaces for local connectivity and Wireless Wide Area Network (WWAN) interfaces for wide-area connectivity. The WWAN typically provides much ...

Keywords: accounting, battery, collaborative, multi-homed, power

9 Privacy enhanced cellular access security

Geir M. Kjetten
September 2005 **WiSe '05: Proceedings of the 4th ACM workshop on Wireless security**
Publisher: ACM 

Full text available:  (230.28 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 64, Downloads (Overall): 961, Citation Count: 1

The 3G cellular access security architectures do not provide satisfactorily user privacy and fail to fully include all three principal entities involved in the security context. In this paper we propose a beyond-3G Privacy Enhanced 3-Way Authentication ...

Keywords: access security, entity authentication, wireless privacy

10 MR2RP: the multi-rate and multi-range routing protocol for IEEE 802.11 ad hoc wireless networks

Shiann-Tsong Sheu, Yihjia Tsai, Jenhui Chen
March 2003 **Wireless Networks**, Volume 9 Issue 2
Publisher: Kluwer Academic Publishers

Full text available:  (252.69 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 18, Downloads (Overall): 912, Citation Count: 4

This paper discusses the issue of routing packets over an IEEE 802.11 *ad hoc* wireless network with multiple data rates (1/2/5.5/11 Mb/s). With the characteristics of modulation schemes, the data rate of wireless network is inversely proportional ...

Keywords: ad hoc, local area network (LAN), medium access control (MAC), routing, wireless

11 The QoS-RWP mobility and user behavior model for public area wireless networks

Giovanni Resta, Paolo Santi
October 2006 **MSWiM '06: Proceedings of the 9th ACM international symposium on Modeling analysis and simulation of wireless and mobile systems**

Publisher: ACM 

Full text available:  (569.47 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 59, Downloads (Overall): 353, Citation Count: 0

Congestion is expected to become a prominent problem to deal with as the popularity of wireless data networks continues to increase. However, this problem can in principle be mitigated if a fraction of the network users could decide to move to another ...

Keywords: mobility modeling, quality of service, random waypoint mobility, wireless LAN, wireless mesh networks

12 High performance wireless switch protocol for IEEE 802.11 wireless networks

Jenhui Chen, Al-Chun Pang, Shiann-Tsong Sheu, Hsueh-Wen Tseng

October 2005 **Mobile Networks and Applications**, Volume 10 Issue 5

Publisher: Kluwer Academic Publishers

Full text available:  [PDF](#) (859.40 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 75, Downloads (Overall): 305, Citation Count: 0

All mobile stations (STAs) in IEEE 802.11 infrastructure wireless local area networks (IWLAN) are coordinated by an access point (AP). Within the 2.4 GHz unlicensed industry, science, and medicine (ISM) band defined in the IEEE 802.11 2.4 GHz physical ...

Keywords: CSMA/CA, MAC, ad hoc, infrastructure, switch, wireless

13 Analysis of the 802.11i 4-way handshake



Changhua He, John C. Mitchell

October 2004 **WiSe '04: Proceedings of the 3rd ACM workshop on Wireless security**

Publisher: ACM 

Full text available:  [PDF](#) (328.36 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 41, Downloads (12 Months): 231, Downloads (Overall): 2245, Citation Count: 5

802.11i is an IEEE standard designed to provide enhanced MAC security in wireless networks. The authentication process involves three entities: the supplicant (wireless device), the authenticator (access point), and the authentication server (e.g., a ...

Keywords: 4-way handshake, 802.11i, WLAN, authentication, denial-of-service, key management

14 Performance optimization of wireless local area networks through VLSI data compression

Bongjin Jung, Wayne P. Burleson

January 1998 **Wireless Networks**, Volume 4 Issue 1

Publisher: Kluwer Academic Publishers

Full text available:  [PDF](#) (664.69 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 26, Downloads (Overall): 460, Citation Count: 1

In contrast to wireline communication, the physical bandwidth of RF wireless communication systems is relatively limited and is unlikely to grow significantly in the future. Hence it is advantageous to increase the effective bandwidth of communication ...

15 On the application of traffic engineering over bluetooth ad hoc networks



Sachin Athiyankar, Rishi Toshiwal, Carlos Cordeiro, Dharma Agrawal

September 2003 **MSWIM '03: Proceedings of the 6th ACM international workshop on Modeling analysis and simulation of wireless and mobile systems**

Publisher: ACM 

Full text available:  [PDF](#) (420.12 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 76, Downloads (Overall): 1440, Citation Count: 0

The seamless communication of data and voice over short-range, point-to-multipoint wireless links between mobile and/or stationary devices is becoming a reality by newly introduced Bluetooth radio technology for Wireless Personal Area Networking, which ...

Keywords: bluetooth, performance evaluation, piconet partitioning, role switching, traffic engineering

16 Embedding SDL implemented protocols into DSP

- Anti Tako, Marke Hännikäinen, Jarno Knuutila, Timo Hämänen, Jukka Saarinen
November **CASES '00:** Proceedings of the 2000 international conference on Compilers, architecture, and synthesis for embedded systems
Publisher: ACM
Full text available:  PDF (370.17 KB) Additional Information: [full citation](#), [references](#)
Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 22, Downloads (Overall): 241, Citation Count: 0

Keywords: MAC protocol, SDL implementation, wireless LAN

17 TSR: trust-based secure MANET routing using HMMs

- Marie E. Q. Moe, Bjørne E. Helvik, Svein J. Knauskeg
October **Q2Swinet '08:** Proceedings of the 4th ACM symposium on QoS and security for wireless and mobile networks
Publisher: ACM 
Full text available:  PDF (258.34 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)
Bibliometrics: Downloads (6 Weeks): 24, Downloads (12 Months): 151, Downloads (Overall): 153, Citation Count: 0

In this paper we propose a trust-based security extension to the mobile ad hoc network dynamic source routing protocol (DSR), where the state probability of a node, according to its corresponding hidden Markov model (HMM), is being used for deciding ...

Keywords: HMM, ad-hoc networks, secure routing, stochastic modeling

18 Inter-Access point communications for distributed resource management in 802.11 networks

- Eduard Garcia, Lluís Faixó, Rafael Vidal, Josep Paradellis
September **WMASH '06:** Proceedings of the 4th international workshop on Wireless mobile applications and services on WLAN hotspots
Publisher: ACM 
Full text available:  PDF (404.93 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 69, Downloads (Overall): 560, Citation Count: 0

Due to the increasing number of IEEE 802.11 networks, the presence of interference is becoming an important problem to solve. In a single multicell network, the harmful effect of interference is minimized thanks to network planning; but if there are ...

Keywords: IEEE 802.11 WLANs, ad-hoc wireless mesh networks, channel allocation, resource management, signalling

19 Wireless network security: comparison of WEP (Wired Equivalent Privacy) mechanism, WPA (Wi-Fi Protected Access) and RSN (Robust Security Network) security protocols

- Halil Ibrahim Bulbul, İhsan Batmaz, Mesut Özel
January **e-Forensics '08:** Proceedings of the 1st international conference on Forensic applications and techniques in telecommunications, information, and multimedia and workshop
Publisher: ICST (Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering)
Full text available:  PDF (653.89 KB) Additional Information: [full citation](#), [abstract](#), [references](#)
Bibliometrics: Downloads (6 Weeks): 298, Downloads (12 Months): 1438, Downloads (Overall): 2026, Citation Count: 0

Wireless Local Area Networks (WLANs) are gaining popularity as they are fast, cost effective, flexible and easy to use. They are, however, faced with some serious security challenges and the choice of security protocol is a critical issue for IT administrators. ...

Keywords: RSN, WEP, WPA, WPA2, wireless security

20 802.11n: the new wave in WLAN technology

 **Abdulrahman Yarali, Babak Ahsant**

September 2007 **Mobility '07:** Proceedings of the 4th international conference on mobile technology, applications, and systems and the 1st international symposium on Computer human interaction in mobile technology

Publisher: ACM

Full text available:  PDF (166.62 KB)
Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 58, Downloads (12 Months): 315, Downloads (Overall): 504, Citation Count: 0

This paper presents an overview of the new IEEE 802.11n standard which is the first wireless LAN standard based on MIMO-OFDM (Multiple Input Multiple Output-Orthogonal Frequency Division Multiplexing). The Paper describes how MIMO-OFDM technology delivers ...

Keywords: 802.11.n, DS-UWB, MIMO, OFDM, WLAN, integration, last mile access, mobility

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